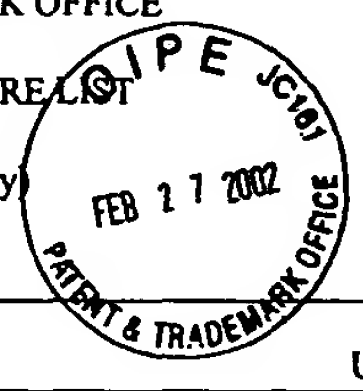


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	AM	WO	99	1	9	4	9	3	4/22/99	PCT	C12N	15/53				
	AN															
	AO															
	AP															

(Including Author, Title, Date, Pertinent Pages, Etc.).

*	INITIAL	AUTHOR	TITLE
	AR	Adlercreutz, et al., 1991,	"Urinary excretion of lignans and isoflavonoid phytoestrogens in Japanese men and women consuming a traditional Japanese diet," <i>Am J Clin Nutr</i> 54:1093-1100
	AS	Akashi, et al, 1998,	"Identification of a cytochrome P450 cDNA encoding (2S)-flavanone 2-hydroxylase of licorice (<i>Glycyrrhiza echinata</i> L.: <i>Fabaceae</i>) which represents licodione synthase and flavone synthase II," <i>FEBS Letters</i> 431: 287-290
	AT	Akashi, T., et al., 1999,	"Cloning and Functional Expression of a Cytochrome P450 cDNA Encoding 2-Hydroxyisoflavanone Synthase Involved in Biosynthesis of the Isoflavonoid Skeleton in Licorice," <i>Plant Physiology</i> , 121:821-828

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(Including Author, Title, Date, Pertinent Pages, Etc.).												
	BR	Akiyama, et al., 1987, "Genistein, a specific inhibitor of tyrosine-specific protein kinases," <i>J Biol Chem</i> 262: 5592-559										
	BS	Angell, S. M. and D. C. Baulcombe, 1997, "Consistent gene silencing in transgenic plants expressing a replicating potato virus X RNA," <i>EMBO J</i> 16:3675-3684										
	BT	Arora, et al., 1998, "Antioxidant activities of isoflavones and their biological metabolites in a liposomal system," <i>Arch Biochem Biophys</i> 356: 133-141										
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	CR	Bhattacharyya, M. K. and E. W. B. Ward, 1987, "Biosynthesis and metabolism of glyceollin I in soybean hypocotyls following wounding or inoculation with <i>Phytophthora megasperma</i> f. sp. <i>glycinea</i> ," <i>Physiol and Mol Plant Pathology</i> 31: 387-405					
	CS	Bourque, J.E., 1995, "Antisense strategies for genetic manipulations in plants," <i>Plant Science</i> 105:125-149					
		Clough, S.J. and Bent, A.F., 1998, "Floral dip: a simplified method for <i>Agrobacterium</i> -mediated transformation of					
	CT	<i>Arabidopsis thaliana</i> ". <i>Plant J</i> 16: 735-74					
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(Including Author, Title, Date, Pertinent Pages, Etc.).

	DR	Colliver, S.P., et al., 1997, "Differential modification of flavonoid and isoflavonoid biosynthesis with an antisense
		chalcone synthase construct in transgenic <i>Lotus corniculatus</i> ," <i>Plant Molecular Biology</i> , 35: 509-522
	DS	Coward, et al., 1993, "Genistein, daidzein, and their β -glycoside conjugates: antitumor isoflavones in soybean
		foods from American and Asian diets," <i>J Agricultural and Food Chemistry</i> 41: 1961-1967
	DT	Dakora, et al., 1993, "Common bean root exudates contain elevated levels of daidzein and coumestrol in response
		to <i>Rhizobium</i> inoculation," <i>Mol Plant-Microbe Interact</i> 6: 665-668

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	ER	Dixon, R. A. and N. L. Paiva, 1995, "Stress-induced phenylpropanoid metabolism," <i>Plant Cell</i> 7: 1085-1097										
	ES	Dixon, R., et al., 1995, "The isoflavonoid phytoalexin pathway: From enzymes to genes to transcription factors," <i>Physiologia Plantarum</i> , 93:385-392										
	ET	Dixon, R.A., Blyden, E.R., Robbins, M.P., van Tunen, A.J. and Mol, J.N.M., 1988, "Comparative biochemistry of chalcone isomerases." <i>Phytochemistry</i> 27: 2801-2808										
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(Including Author, Title, Date, Pertinent Pages, Etc.).

	FR	Dixon, R.A., et al., 1999 "Molecular controls for isoflavonoid biosynthesis in relation to plant and human health," <i>Phytochemicals in Human Health Protection, Nutrition and Plant Defense</i> , Romeo, ed., Kluwer Academic/ Plenum Publishers, New York; pp. 133-159
	FS	Draper, et al., 1997, "Phytoestrogens reduce bone loss and bone resorption in oophorectomized rats," <i>J Nutr</i> 127: 1795-1799
	FT	Graham, T.L., 1991, "Flavonoid and isoflavonoid distribution in developing soybean seedling tissues and in seed and root exudates." <i>Plant Physiol</i> 95: 594-603

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	GR	Graham, T.L., 1998, "Flavonoid and flavonol glycoside metabolism in <i>Arabidopsis</i> ". <i>Plant Physiol Biochem</i> 36: 135-144
	GS	Hadwiger, L. A. and D. M. Webster, 1984, "Phytoalexin production in five cultivars of pea differentially resistant to three races of <i>Pseudomonas syringae</i> pv. <i>pisi</i> ," <i>Phytopathology</i> 74: 1312-1314
	GT	Hagmann, M. and H. Grisebach, 1984, "Enzymatic rearrangement of flavanone to isoflavone," <i>FEBS Letters</i> 175: 199-202

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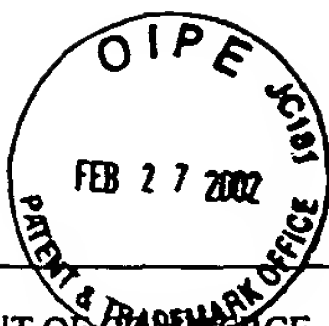
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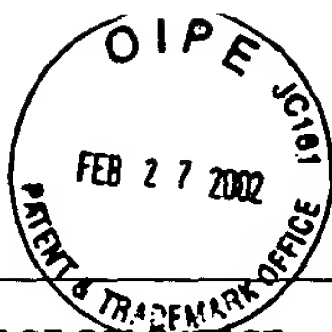


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	HR	Hakamatsuka, et al., 1991, "P-450-dependent oxidative rearrangement in isoflavone biosynthesis: reconstitution of P-450 and NADPH:P450 reductase," <i>Tetrahedron</i> 47: 5969-5978										
	HS	Hakamatsuka, et al., 1998, "Purification of 2-hydroxyisoflavanone dehydratase from the cell cultures of <i>Pueraria lobata</i> ," <i>Phytochemistry</i> 49: 497-505										
	HT	Hashim, et al., 1990, "Reaction mechanism of oxidative rearrangement of flavanone in isoflavone biosynthesis," <i>FEBS Letters</i> 271: 219-222										
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(Including Author, Title, Date, Pertinent Pages, Etc.).

	IR		Horsch, et al., 1985, "A simple and general method for transferring genes into plants," <i>Science</i> 227:1229-1231
	IS		Jung, W., et al., 2000, "Identification and expression of isoflavone synthase, the key enzyme for biosynthesis of isoflavones in legumes," <i>Nature Biotechnology</i> 18: 206-212
	IT		Kape, et al., 1992, "Legume root metabolites and VA-mycorrhiza development," <i>J Plant Physiol</i> 141: 54-60

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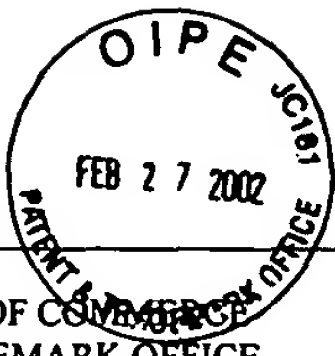
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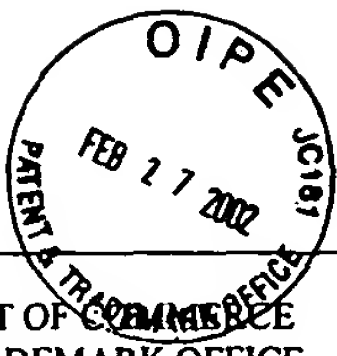


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	JR	Kessmann, et al., 1990, "Stress responses in alfalfa (<i>Medicago sativa</i> L.) III. Induction of medicarpin and cytochrome P450 enzyme activities in elicitor-treated cell suspension cultures and protoplasts," <i>Plant Cell Reports</i>											
		9: 38-41											
	JS	Keung, et al., 1995, "Daidzin suppresses ethanol consumption by Syrian golden hamsters without blocking acetaldehyde metabolism," <i>Proc Natl Acad Sci USA</i> 92: 8990-8993											
	JT	Keung, W. M. and B. L. Vallee, 1993, "Daidzin: A potent, selective inhibitor of human mitochondrial aldehyde dehydrogenase," <i>Proc Natl Acad Sci USA</i> 90: 1247-1251											
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	KR		Kirikae, et al., 1993, "Biosynthesis of a dibenzoylmethane, licodione, in cultured alfalfa cells induced by yeast										
			extract," <i>Biosci Biotech Biochem</i> 57: 1353-1354										
	KS		Klein, et al., 1988, "Stable genetic transformation of intact <i>Nicotiana</i> cells by the particle bombardment process,"										
			<i>Proc Natl Acad Sci USA</i> 85:8502-8505										
	KT		Kochs, G. and H. Grisebach, 1986, "Enzymic synthesis of isoflavones," <i>European J Biochem</i> 155: 311-318										
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	LR	Kochs, G. and H. Grisebach, 1987, "Induction and characterization of a NADPH-dependent flavone synthase from cell cultures of soybean," <i>Z. Naturforsch</i> 42C: 343-348
	LS	Kosslak, et al., 1987, "Induction of <i>Bradyrhizobium japonicum</i> common <i>nod</i> genes by isoflavones isolated from <i>Glycine max</i> ," <i>Proc Natl Acad Sci USA</i> 84: 7428-7432
	LT	Köster, J. and W. Barz, 1981, "UDP-Glucose: isoflavone 7-O-glucosyltransferase from roots of chick pea (<i>Cicer arietinum</i> L.)." <i>Arch Biochem Biophys</i> 212: 98-104

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	MR	Lee, et al., 1991, "Dietary effects on breast-cancer risk in Singapore," <i>Lancet</i> 337: 1197-1200					
	MS	Long, et al., 1985, "Further studies on the relationship between glyceollin accumulation and the resistance of soybean leaves to <i>Pseudomonas syringae</i> pv. <i>glycinea</i> ," <i>Phytopathology</i> 75: 235-239					
	MT	Martens, S. and G. Forkmann, "Cloning and expression of flavone synthase II from <i>Gerbera</i> hybrids," <i>Plant J</i> 20: 611-618					
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							YES	NO
	NL							
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	NN							
	NO							
	NP							

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	NR	Martin, et al., 1996, "Interactions between phytoestrogens and human sex steroid binding protein," <i>Life Sciences</i>
		58: 429-436
	NS	Nelson, et al. 1993. "The P450 superfamily update on new sequences, gene mapping, accession numbers, early
		trivial names of enzymes, and nomenclature," <i>DNA Cell Biol</i> 12:1
	NT	Otani, et al., 1994, "Licodione synthase, a cytochrome P450 monooxygenase catalyzing 2-hydroxylation of 5-
		deoxyflavanone, in cultured <i>Glycyrrhiza echinata</i> L. cells," <i>Plant Physiol</i> 105: 1427-1432

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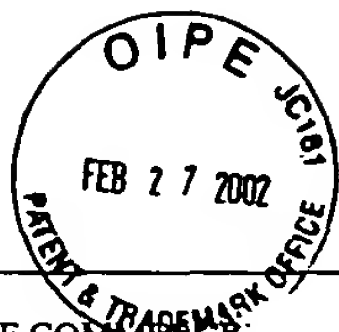


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	PP											
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	PR	Rahe, J. E., 1973, "Occurrence and levels of the phytoalexin phaseollin in relation to delimitation at sites of										
		infection of <i>Phaseolus vulgaris</i> by <i>Colletotrichum lindemuthianum</i> ," <i>Canadian J Botany</i> 51: 2423-2430										
	PS	Sambrook, et al. 1989. <i>Molecular Cloning. A Laboratory Manual</i> , 2nd Ed, Cold Spring Harbor Laboratory Press,										
		New York; pp. 7.2-7.87 and 9.2-9.62										
	PT	Siminszky, B., Corbin, F.T., Ward, E.R., Fleischmann, T.J. and Dewey, R.E., 1999, "Expression of a soybean										
		cytochrome P450 monooxygenase cDNA in yeast and tobacco enhances the metabolism of phenylurea herbicides."										
		<i>Proc. Natl. Acad. Sci. USA</i> 96: 1750-1755										
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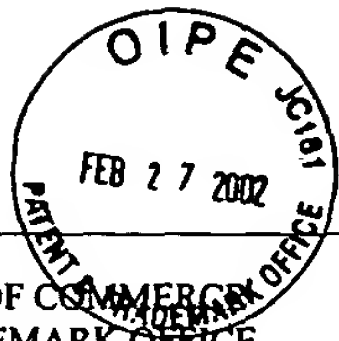


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	QP													
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	QR		Steele, C.L., et al., 1999, "Molecular Characterization of the Enzyme Catalyzing the Aryl Migration Reaction of											
			Isoflavonoid Biosynthesis in Soybean," Archives of Biochemistry and Biophysics, 367: 146-150											
	QS		Tahara, S. and R. K. Ibrahim, 1995, "Prenylated isoflavonoids - an update," <i>Phytochemistry</i> 38: 1073-1094											
	QT		Tikkanen, et al., 1998, "Effect of soybean phytoestrogen intake on low density lipoprotein oxidation resistance,"											
			<i>Proc Natl Acad Sci USA</i> 95: 3106-3110											
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	RL							
	RM							
	RN							
	RO							
	RP							

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	RR	Tomonaga, et al., 1992, "Isoflavonoids, genistein, PSI-tectorigenin, and orobol, increase cytoplasmic free calcium in isolated rat hepatocytes," <i>Biochem Biophys Res Com</i> 182: 894-899
	RS	Uckun, et al., 1995, "Biotherapy of B-cell precursor leukemia by targeting genistein to CD19-associated tyrosine kinases," <i>Science</i> 267: 886-891
	RT	van Buuren, M.L., I.E. Maldonado-Mendoza, A.T. Trieu, L.A. Blaylock, and M.J. Harrison, 1999, "Novel genes induced during an arbuscular mycorrhizal (AM) symbiosis formed between <i>Medicago truncatula</i> and <i>Glomus versiforme</i> ," <i>Mol. Plant-Microbe Interact.</i> 12, 171-181

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	SP							

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	SR	VanEtten, et al., 1989, "Phytoalexin detoxification: importance for pathogenicity and practical implications," <i>An</i>
		<i>Rev Phytopathology</i> 27: 143-164
	SS	Wagner, et al., 1997, "Dietary soy protein and estrogen replacement therapy improve cardiovascular risk factors and decrease aortic cholesteryl ester content in ovariectomized cynomolgus monkeys," <i>Metabolism - Clinical and</i>
		<i>Experimental</i> 46: 698-705
	ST	Welle, R. and Grisebach, H., 1989, "Phytoalexin synthesis in soybean cells: elicitor induction of reductase involved
		in biosynthesis of 6'-deoxychalcone." <i>Arch Biochem Biophys</i> 272: 97-102

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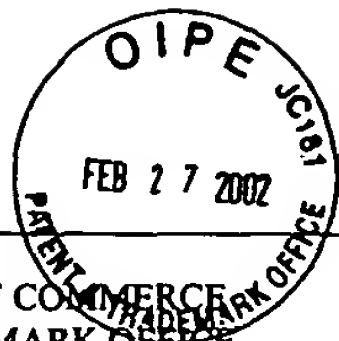
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	TR		Xie, et al., 1995, "Rhizobial nodulation factors stimulate mycorrhizal colonization of nodulating and nonnodulating soybeans," <i>Plant Physiology</i> 108: 1519-1525					
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